NC/QC/RI/BMN/BH-01/2018-19/SSM1 Date: 22-01-2018

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.
{Project*: Construction of Culverts and Improvements road at Ravindra Nagara Ward No.13, Shettyhalli Sub Division}
Ref.: Material testing/W-13/QC/17-18,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.
Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1320.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.39%**	Not more than 2.0 %

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NC/QC/W-13/2017-18/RN-S1

Date: 25-01-2018

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 and 12 mm TMT Steel.
{Project*: Construction of Culverts and Improvements road at Ravindra Nagara Ward No.13, Shettyhalli Sub Division}

Ref.: Material testing/W-13/QC/17-18,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

TABLE – 1

SL No	Details	For 10 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.618**	0.567	**0.862**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**541.0**	500.0	**548.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**19.25**	12.00	**20.18**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**624.0**	545.0	**631.0**	545.0

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NC/QC/W-13/2017-18/RN-CB1 Date: 15-02-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of Culverts and Improvements road at Ravindra Nagara Ward No.13, Shettyhalli Sub Division}

Ref.: Material testing/W-13/QC/17-18,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	08-02-18	15-02-18	07	22500	380	16.89	16.81
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	385	17.11	

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NC/QC/W-13/2017-18/RN-CB2

Date: 09-02-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of Culverts and Improvements road at Ravindra Nagara Ward No.13, Shettyhalli Sub Division}

Ref.: Material testing/W-13/QC/17-18,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M0_{20}$

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	08-02-18	09-02-18	07	22500	360	16.00	**16.37**
	002	"	"	"	"	375	16.67	
	003	"	"	"	"	370	16.44	

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NC/QC/W-13/2017-18/RN-CB1a Date: 08-03-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of Culverts and Improvements road at Ravindra Nagara Ward No.13, Shettyhalli Sub Division}
Ref.: Material testing/W-13/QC/17-18,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	08-02-18	08-03-18	28	22500	505	22.44	**22.52**
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	500	22.22	

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NC/QC/W-13/2017-18/RN-CB2a

Date: 09-03-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of Culverts and Improvements road at Ravindra Nagara Ward No.13, Shettyhalli Sub Division}

Ref.: Material testing/W-13/QC/17-18,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	09-02-18	09-03-18	28	22500	500	22.22	**22.59**
	002	"	"	"	"	520	23.11	
	003	"	"	"	"	505	22.44	

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